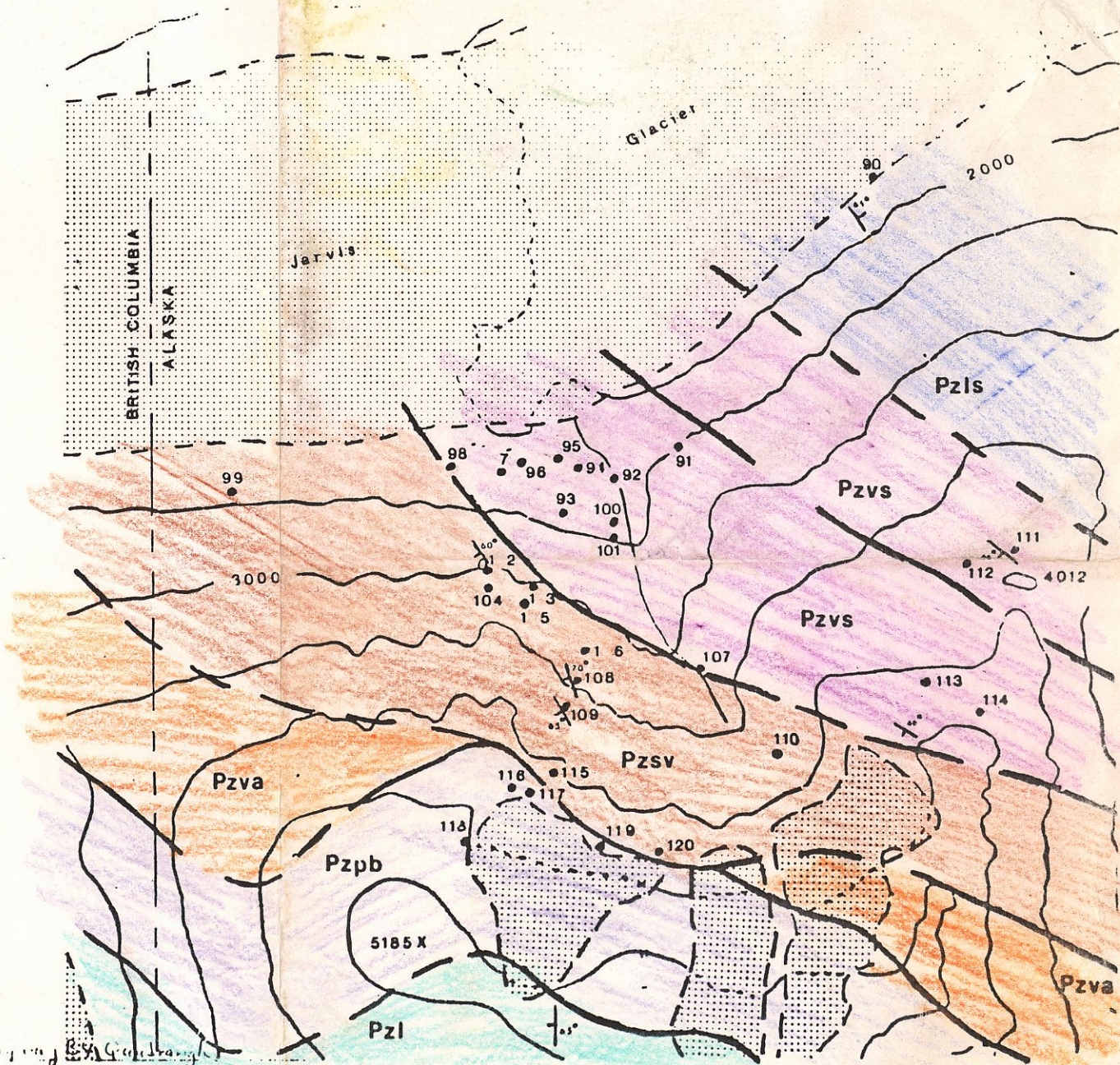


Base adapted from U.S.G.S 1:63,260 map by B.A. Greenberg

FIGURE 8. - Geology and sample location map of the Jarvis Glacier area. Geology modified from Redman (8) - figure 2.



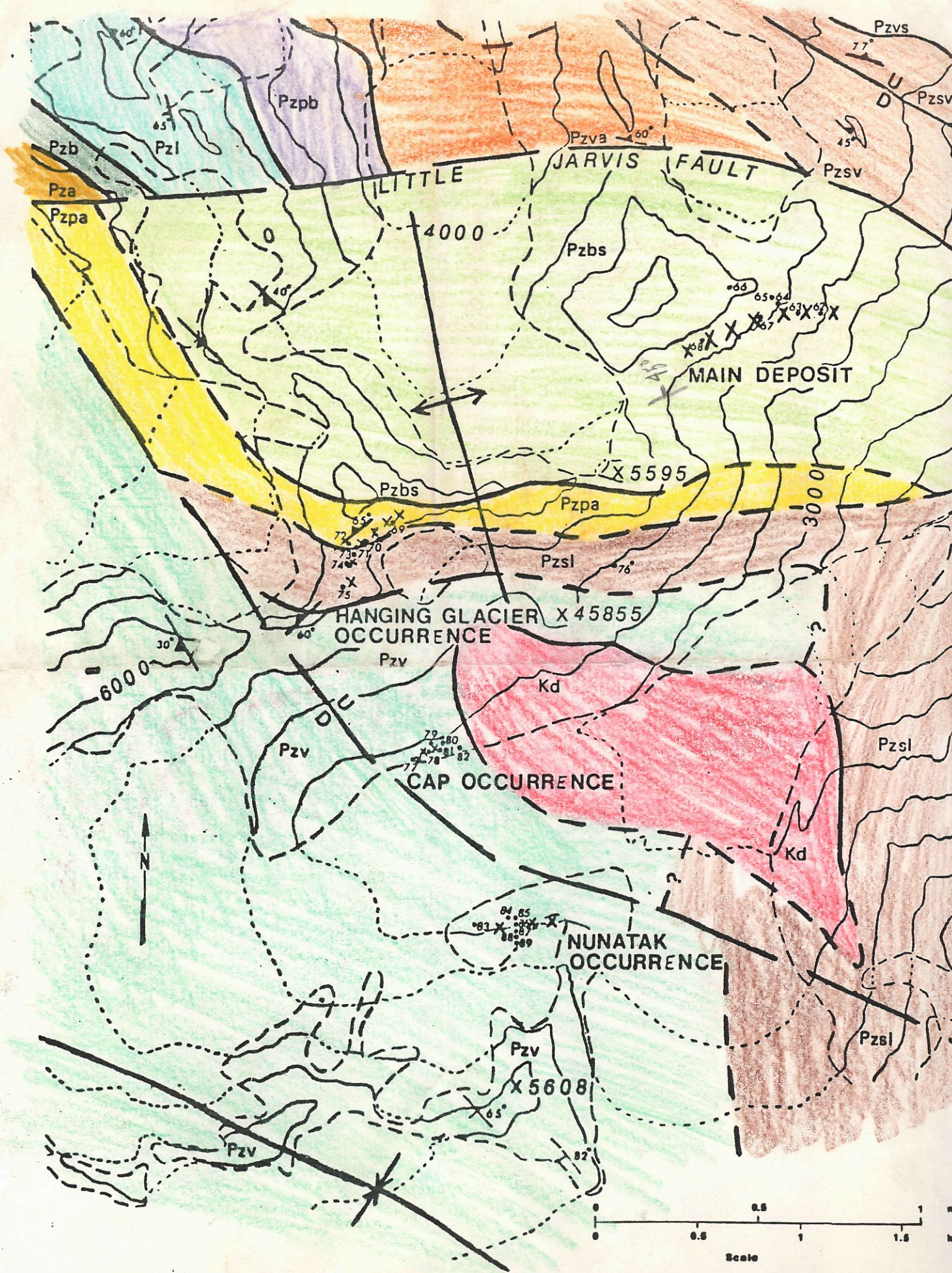


FIGURE 7. - Geology and sample location map of the Glacier Creek occurrences  
 Geology modified from Redman (8) - figure 2.

LEGEND (Fig. 7)

**Kd** Hornblende Diorite  
Cretaceous

**Pzs1** Porcupine Slate  
Black Slate  
Paleozoic

Relative ages of the remaining sequences may be similar

**Pzbs** Basalt w/minor slate

**Pzpa** Phyllic andesitic and felsic volcanics

**Pzv** Basalt and andesite undifferentiated

Glacier  
Creek  
Volcanic  
Sequence

**Pza** Andesite

**Pzb** Basalt

**Pzl** Limestone w/slate and sandstone

**Pzpb** Pillow Basalt

**Pzva** Mostly andesite w/slate

**Pzsv** Mostly slate w/minor limestone and andesite

**Pavs** Mostly andesite w/minor slate

Little Jarvis  
Volcanic and  
Sedimentary  
Sequence

xxxx Barium-zinc mineralized zone

·--- Sample location

~ Observed contact

- - - Inferred or covered contact

$\frac{u}{D}$  Fault


- / - Inferred or covered fault

$\downarrow$  Plunging anticline

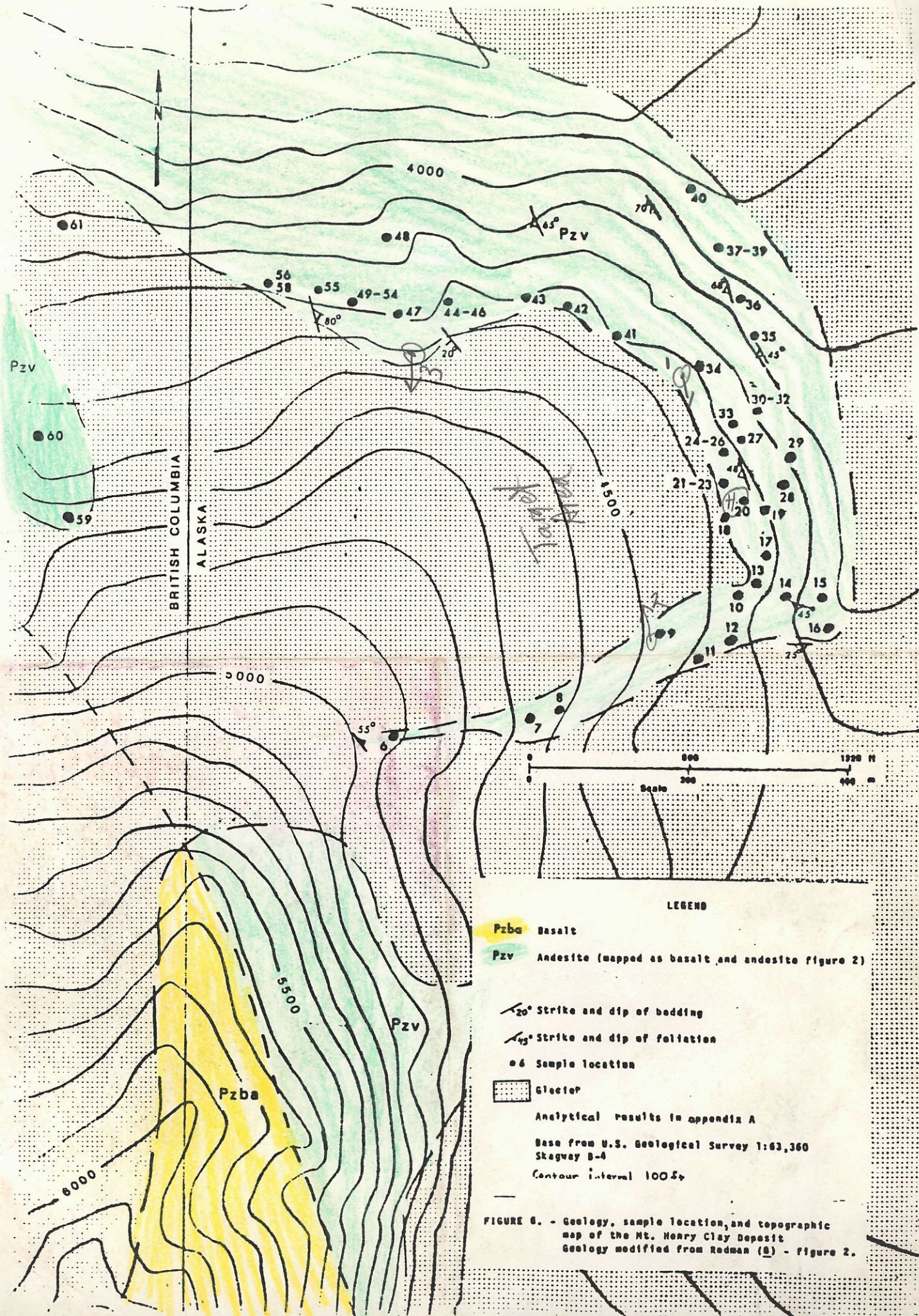
\* Syncline

$\swarrow 60^\circ$  Strike and dip of foliation

$\swarrow 82^\circ$  Strike and dip of Bedding

 Glacier  
Contour interval 500ft  
Analytical results in appendix A

Base from U.S. Geological Survey 1:63,360 Skagway B-4



**LEGEND**

**Pzba** Basalt

**Pzv** Andesite (mapped as basalt and andesite figure 2)

$\swarrow_{20^\circ}$  Strike and dip of bedding

$\swarrow_{45^\circ}$  Strike and dip of foliation

● Sample location

▨ Glacier

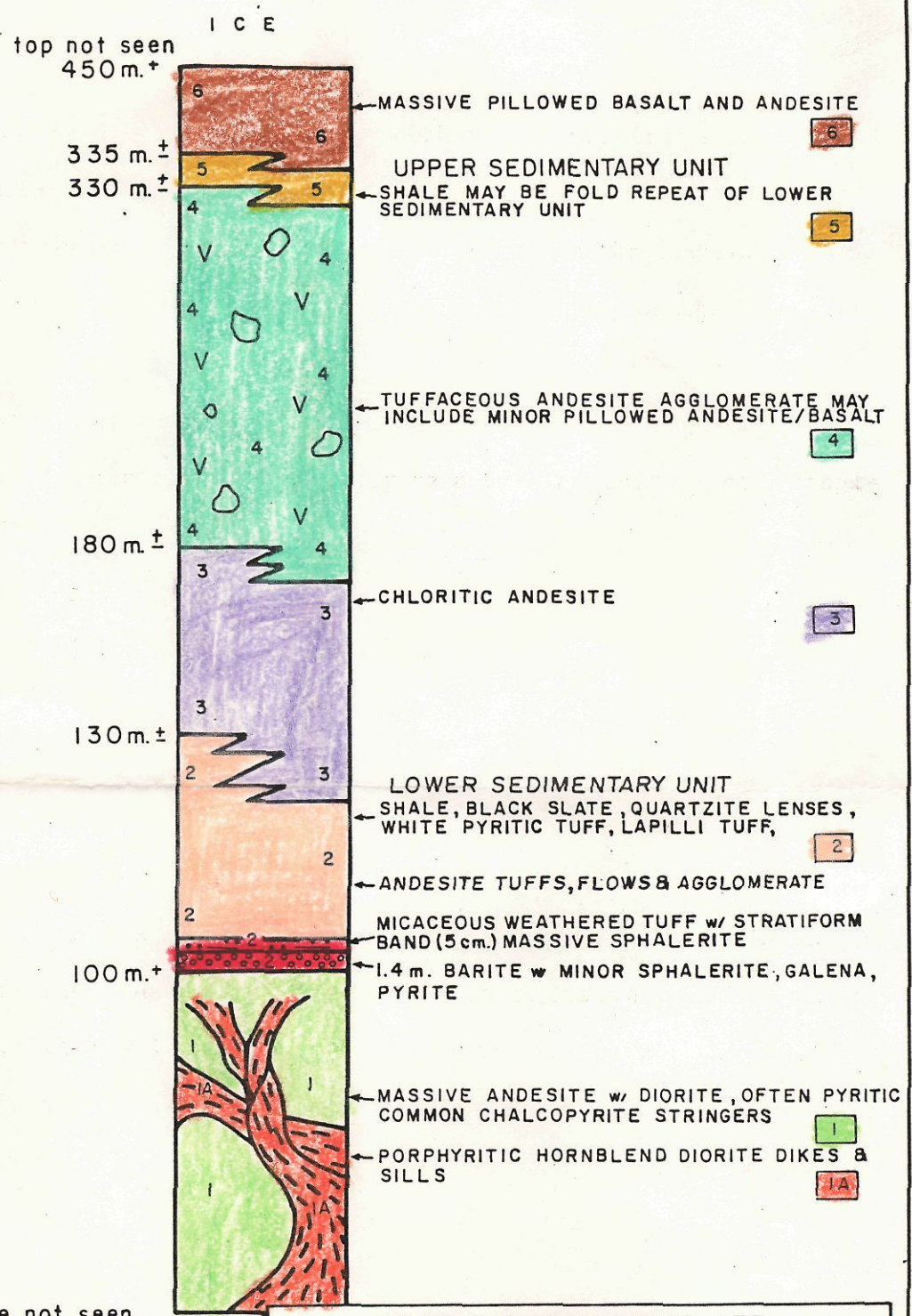
Analytical results in appendix A

Base from U.S. Geological Survey 1:63,360  
Stagway B-4

Contour interval 100 ft

**FIGURE 6.** - Geology, sample location, and topographic map of the Mt. Henry Clay Deposit  
Geology modified from Redman (8) - Figure 2.

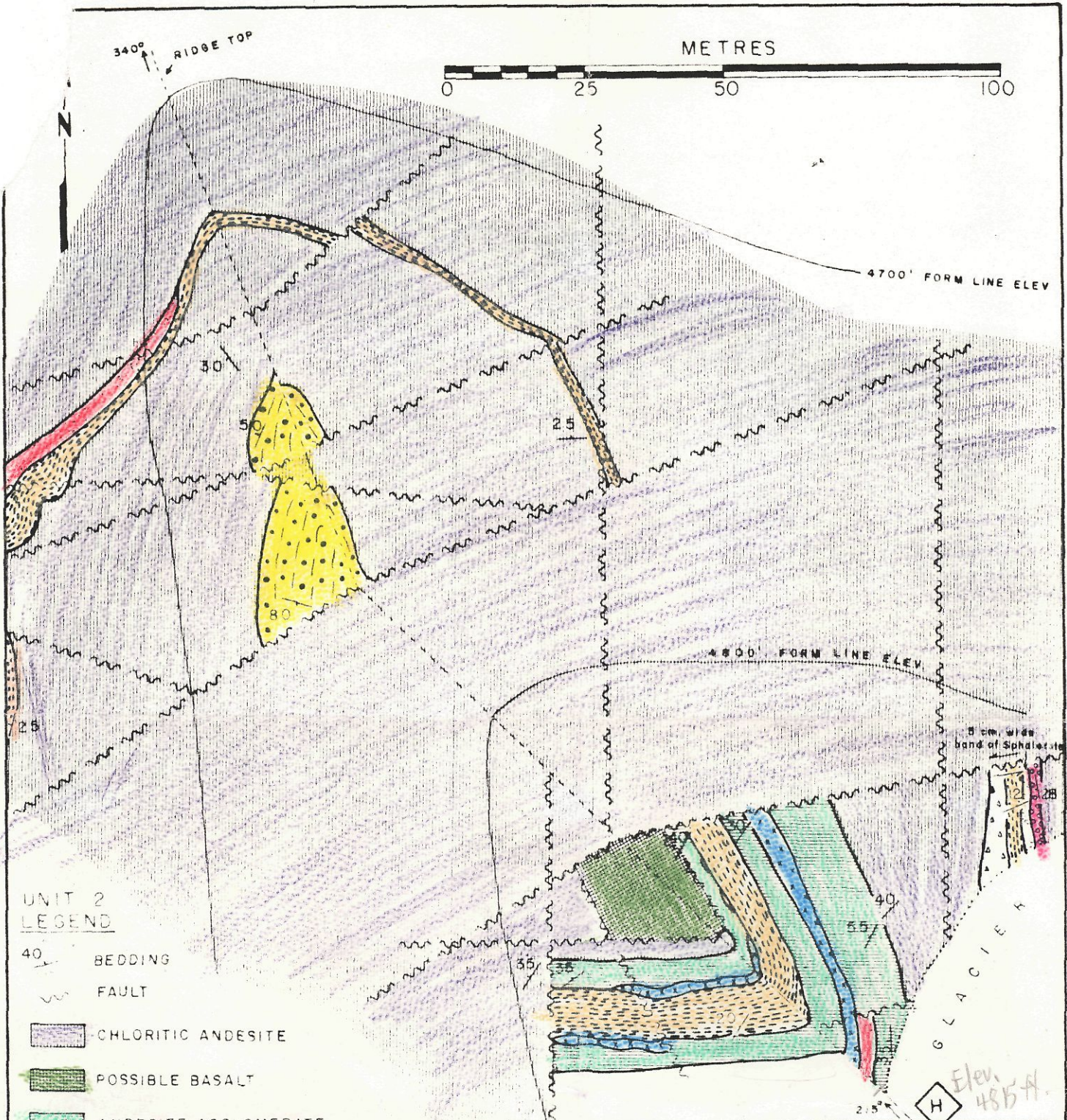
NOT TO SCALE



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MT. HENRY CLAY  
SECTION

N.T.S. 114 P/BW 87E	SCALE: NOT TO SCALE	FIG.
DATE: DEC., 1984	DRAWN: D.A.P./d.w.	4



UNIT 2  
LEGEND

- 40 BEDDING
- FAULT
- CHLORITIC ANDESITE
- POSSIBLE BASALT
- ANDESITE AGGLOMERATE
- QUARTZITE BAND OR LENSE
- BLACK SHALE
- WHITE TUFF w DISSEMINATED PYRITE
- LAPILLI TUFF
- MICACEOUS WEATHERED TUFF
- BARITE LENSES w PYRITE, GALENA & SPHALERITE

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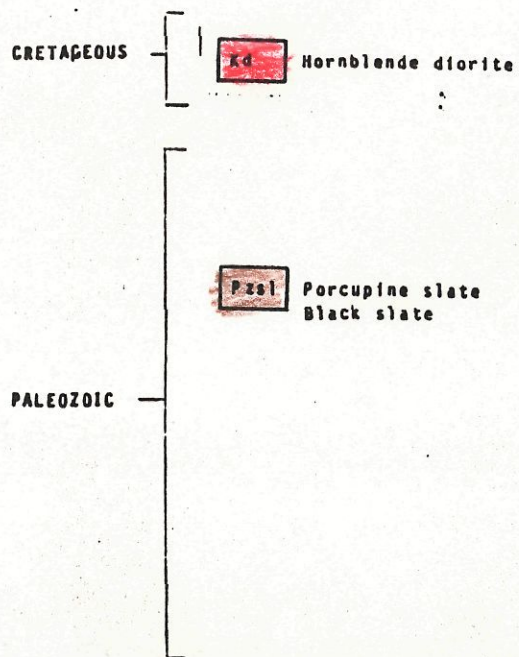
MT HENRY CLAY

DETAILED GEOLOGY

NFS 114 P/BW&7E	SCALE: 1:1000	FIG.
DATE DEC., 1984	DRAWN: G.D.V./d.w.	3



LEGEND (fig 2)



GLACIER CREEK  
VOLCANIC SEQUENCE

- Pzba Basalt
- Pzbs Basalt with minor slate
- Pzpa Phyllitic andesitic and felsic volcanics
- Pzv Basalt and andesite undifferentiated
- Pzpf Phyllitic felsic and andesitic volcanics

LITTLE JARVIS  
VOLCANIC AND  
SEDIMENTARY  
SEQUENCE

- Pza Andesite
- Pzb Basalt
- Pzl Limestone with slate and sandstone
- Pzpb Pillow basalt
- Pzva Mostly andesite with slate
- Pzsv Mostly slate with minor limestone and andesite
- Pzvs Mostly andesite with minor slate
- Pzls Limestone and slate

- ~ Observed contact
- - - Inferred or covered contact
- $\frac{u}{D}$  Fault
- - - Inferred or covered fault
- $\frac{A}{B}$  Plunging anticline
- \* Syncline
- $\angle 60$  Strike and dip of bedding
- $\angle 70$  Strike and dip of foliation
- $\angle 55$  Strike and dip of foliation estimated from a distance or from aerial photographs
- ◆ Mineralized occurrences

Mineral Occurrence

Glacier Creek occurrences

1. Main deposit
2. Nunatak
3. Hanging Glacier
4. Cap

Other occurrences

5. Mt. Henry Clay deposit
6. Jarvis Glacier
7. Boundary

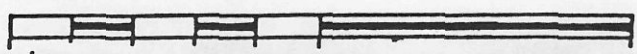




FIGURE 3a GEOLOGY OF THE MOUNT BIGGER AREA (114P/ from G.S.C. Open File 926)

- ROCK UNITS:** OLIGOCENE Of-felsite Pvs-volcanic breccia and tuffs  
 TKOPE RIVER INTRUSIONS; Ogdp-granodiorite porphyry Ogr-granite Ogb-gabbro
- CRETACEOUS TO TERTIARY** Ktb-diorite
- JURASSIC TO CRETACEOUS** JKg-"Saint Elias (Granitic) Intrusions"
- UPPER PALEOZOIC TO TRIASSIC** Pv-andesitic volcanic sequence Psp-pelitic assemblages
- ORDIVICIAN (? +/-)** ODcs laminated or thickly bedded limestones

SCALE 1:125,000



KILOMETRES

12,227